

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 04219642
PUBLICATION DATE : 10-08-92

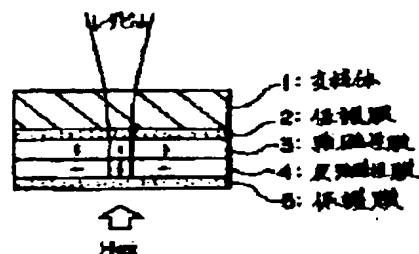
APPLICATION DATE : 19-12-90
APPLICATION NUMBER : 02412236

APPLICANT : RICOH CO LTD;

INVENTOR : TOKITA TOSHIAKI;

INT.CL. : G11B 11/10

TITLE : MAGNETO-OPTICAL RECORDING
MEDIUM AND METHOD THEREOF



ABSTRACT : PURPOSE: To obtain an overwrite reliable in single base beam and single bias magnetic field respectively by making easiness of medium constitution.

CONSTITUTION: The ferromagnetic film 3 showing perpendicular magnetic anisotropy and diaferromagnetic film 4 showing intrasurface magnetic anisotropy, arising transition of magnetic phase in neighborhood of Curie temp. of relevant ferromagnetic film 3 and showing a perpendicular surface magnetic anisotropy in room temp. are laminated on to the supporting body 1. The medium is heated to higher than the magnetic phase transition temp. by irradiation of high power laser beam and the bias magnetic field having definite strength is added to be recorded, and then heated to lower temp. than the magnetic phase transition temp. by irradiating low power laser beam and adding the same bias magnetic field as the above to be erased. The recording information is reproduced by irradiating less power laser beam than in the case of erasing.

COPYRIGHT: (C)1992,JPO&Japio